BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of Work: Solid Waste Management Work in Ward No 08

Estimate Cost: 10000000.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	For dry waste collection centre								
1	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 (Page no -5, item no - 2.3)								
	For dry waste collection centre-1								
	Footings		14	1.70	1.70	1.50	60.69		
	FOUNDATION		2	20.00	0.80	0.85	27.20		
			2	9.40	0.80	0.85	12.78		
	Total Qty	**Cum**					**100.67**	**246.99**	**24864.99**
	Basic rate	189.00							
	AD HOC at 21%	39.69							
	Sub Total	228.69							
	Area Weightage 8%	18.30							
	Final Rate	**246.99**							
2	KSRB 2.14-1: Extra for additional lift of 1.5m. or part there of for excavation In loose / soft or hard soil including cost of materials, labour complete as per specifications. (Page no -7, item no - 2.21)								
	For dry waste collection centre-1								
	Footings		14	1.70	1.70	0.45	18.21		
	Total Qty	**Cum**					**18.21**	**263.97**	**4806.17**
	Basic rate	189.00							
	Lift Charges	13.00							
	AD HOC at 21%	42.42							
	Sub Total	244.42							
	Area Weightage 8%	19.55							
	Final Rate	**263.97**							
3	KSRB-3.2 Providing and injecting chemical emulsion for Pre- constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7(Page no - 9, item no - 3.2)								
	for plinth area		14	1.7	1.7		40.46		
			2	20.00	0.80		32.00		
			2	9.40	0.80		15.04		
	Total Qty	**Sqm**					**87.50**	134.60	11777.54
	Basic rate	103.00							
	AD HOC at 21%	21.63							
	Sub Total	124.63							
	Area Weightage 8%	9.97							
	Final Rate	**134.60**							
4	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS(Page no -6, item no - 2.15)								
	for plinth area		1	9.90	19.50	0.15	28.96		
							28.96	2762.58	79997.27
	Basic rate	2114.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	AD HOC at 21%	443.94							
	Sub Total	2557.94							
	Area Weightage 8%	204.64							
	Final Rate	**2762.58**							
5	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 465 cum machine mixed, machine mixed,concrete laid in layers not exceeding 15 cms, thick well compacted, in foundation and plinth, including cost of all material, labour HOM Machinery curing complete as per specification,(Page. No. 12 Item No. 4.2)								
	For dry waste collection centre-1								
	Footings		14	1.70	1.70	0.15	6.07		
	For Foundation		1	58.80	0.80	0.15	7.06		
	Flooring		1	19.5	10.45	0.10	20.38		
	Total Qty	**Cum**					**33.50**	**6594.11**	**220919.26**
	Basic rate	5046.00							
	AD HOC at 21%	1059.66							
	Sub Total	6105.66							
	Area Weightage 8%	488.45							
	Final Rate	**6594.11**							
6	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (Page. No. 23 Item No. 5.6)								
	Foundation		1	58.80	0.45	0.45	11.91		
	Total Qty	**Cum**					**11.91**	**5471.57**	**65150.00**
	Basic rate	4187.00							
	AD HOC at 21%	879.27							
	Sub Total	5066.27							
	Area Weightage 8%	405.30							
	Final Rate	**5471.57**							
7	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2(Page No : 15, item No : 4.28)								
	For dry waste collection centre-1								
	Footings		14	6.00		0.60	50.40		
	Total Qty	**Sqm**					**50.40**	**301.87**	**15214.29**
	Basic rate	231.00							
	AD HOC at 21%	48.51							
	Sub Total	279.51							
	Area Weightage 8%	22.36							
	Final Rate	**301.87**							
8	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(Page No : 15, item No : 4.31)								
	For dry waste collection centre-1								
	For Foundation		2	58.80		0.30	35.28		
	Top beam		2	58.80		0.30	35.28		
	Total Qty	**Sqm**					**70.56**	**382.89**	**27016.89**
	Basic rate	293.00							
	AD HOC at 21%	61.53							
	Sub Total	354.53							
	Area Weightage 8%	28.36							
	Final Rate	**382.89**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
9	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Page No : 16, item No : 4.32)								
	For dry waste collection centre-1								
	Columns above Ground Level		14	1.50		4.00	84.00		
	Column Below Ground Level		14	1.50		1.00	21.00		
	Total Qty	**Sqm**					**105.00**	**478.29**	**50220.32**
	Basic rate	366.00							
	AD HOC at 21%	76.86							
	Sub Total	442.86							
	Area Weightage 8%	35.43							
	Final Rate	**478.29**							
10	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (Page No : 13, item No : 4.11)								
	For dry waste collection centre-1								
	Footings		14	1.50	1.50	0.60	18.90		
	Column Below Ground Level		14	0.25	0.50	1.00	1.75		
	Columns above Ground Level		14	0.25	0.50	4.00	7.00		
	For Plinth Beam		1	58.80	0.25	0.30	4.41		
	Lintel		1	58.80	0.25	0.30	4.41		
	Flooring		1	19.5	10.45	0.15	30.57		
	Total Qty	**Cum**					**67.04**	**7855.17**	**526581.46**
	Basic rate	6011.00							
	AD HOC at 21%	1262.31							
	Sub Total	7273.31							
	Area Weightage 8%	581.86							
	Final Rate	**7855.17**							
11	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 (Page No : 17, item No : 4.46.2)								
	For dry waste collection centre-1								
	120kg/cum for Footings			18.90	120.00		2268.00		
	150kg/cum for Columns			7.00	150.00		1050.00		
				1.75	150.00		262.50		
	120kg/cum for Beams			4.41	120.00		529.20		
				4.41	120.00		529.20		
							4638.90		
	Total Qty	**Tonne**					**4.64**	**79201.23**	**367493.70**
	Basic rate	60607.00							
	AD HOC at 21%	12727.47							
	Sub Total	73334.47							
	Area Weightage 8%	5866.76							
	Final Rate	**79201.23**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
12	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto SO m. and lift upto 1.S m. including cost of all labour complete as per specifications. specification. No. KBS(Page No : 6, item No : 2.10)								
	For dry waste collection centre-1								
	Area of Footing	1	14	1.70	1.70	1.50	60.69		
	Deduct Column	-1	14	0.25	0.50	1.00	-1.75		
	Deduct Footing	-1	14	1.50	1.50	0.60	-18.90		
	Total Qty	**Cum**					**40.04**	**165.96**	**6645.18**
	Basic rate	127.00							
	AD HOC at 21%	26.67							
	Sub Total	153.67							
	Area Weightage 8%	12.29							
	Final Rate	**165.96**							
13	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4(Page No :25, item No : 5.27.1)								
	For dry waste collection centre-1								
	Walls		2.00	10.45		2.25	47.03		
			2.00	19.45		2.25	87.53		
	Deduction								
	Gate (up to wall ht)	1	-1.00	4.00		2.25	-9.00		
	cloumn	1	-14.00	0.25		2.25	7.88		
	Total Qty	**Sqm**					**133.43**	**1224.47**	**163375.12**
	Basic rate	937.00							
	AD HOC at 21%	196.77							
	Sub Total	1133.77							
	Area Weightage 8%	90.70							
	Final Rate	**1224.47**							
14	KSRB15-3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:6, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(Page No :114, item No : 15.20)								
	For dry waste collection centre-1								
	External Walls		2.00	10.45		2.25	47.03		
			2.00	19.45		2.25	87.53		
	Deduction								
	Gate (up to wall ht)		-1.00	4.00		2.25	-9.00		
	Total Qty	**Sqm**					**125.55**	**271.81**	**34126.30**
	Basic rate	208.00							
	AD HOC at 21%	43.68							
	Sub Total	251.68							
	Area Weightage 8%	20.13							
	Final Rate	**271.81**							
15	KSRB 15.3.2 Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications..(Page No.113, Item No.15.10)								
	For dry waste collection centre-1								
	Internal Plastering		2.00	9.95		2.25	44.78		
			2.00	18.95		2.25	85.28		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Deduction								
	Gate (up to wall ht)		-1.00	4.00		2.25	-9.00		
	Total Qty	Sqm					121.05	215.62	26101.04
	Basic rate	165.00							
	AD HOC at 21%	34.65							
	Sub Total	199.65							
	Area Weightage 8%	15.97							
	Final Rate	215.62							
16	KSRB 15.10.2 Providing white washing for every one additional coat with lime of approved quality, to give an even shade including cost of materials, labour, complete as per specifications. (Page No. 115, Item No. 15.39)								
	Same As Internal and Ceiling Plastering Qnty								
	Total Qty	Sqm					121.05	5.23	632.75
	Basic rate	4.00							
	AD HOC at 21%	0.84							
	Sub Total	4.84							
	Area Weightage 8%	0.39							
	Final Rate	5.23							
17	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. (P. No. 118, I.No. 15.53.2).								
	Same As External Plastering Qnty								
	Total Qty	Sqm					125.55	109.77	13781.77
	Basic rate	84.00							
	AD HOC at 21%	17.64							
	Sub Total	101.64							
	Area Weightage 8%	8.13							
	Final Rate	109.77							
18	Providing and applying two coats with Plastic emulsion paint of approved brand wall surface to a give an even approved shade after throuughly brushing the surface,free from mortar drops and other foreign matter, including priming , including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.with primer. (Page No : 117, item No :15.51.2)For internal walls.								
	Same As Internal Plastering Qnty								
	Total Qty	Sqm					121.05	117.61	14236.93
	Basic rate	90.00							
	AD HOC at 21%	18.90							
	Sub Total	108.90							
	Area Weightage 8%	8.71							
	Final Rate	117.61							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
19	Supplying and fixing pressed steel door frames size 125x65 mm manufactured from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and shutters made out of seasoned Honne wood, styles of 30 mm, thick with lock rail of 160 mm, width, top and side rails of 100 mm. width and bottom rails of 250 mm width and panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof, vermin proof, heat resistant guaranteed against shrinkage, warpage and such other defects for a period of 3 years. This shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting with enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc., complete. The Hollow portion of the frame to be filled with cement concrete 1:2:4. (Page No : 39, item No :7.26)								
	Doors		1	4.00		4.00	16.00		
	Total Qty	**Sqm**					**16.00**	**4573.80**	**73180.80**
	Basic rate	3500.00							
	AD HOC at 21%	735.00							
	Sub Total	4235.00							
	Area Weightage 8%	338.80							
	Final Rate	**4573.80**							
20	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineerin - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete)(Page No : 262, item No :37.2)								
	For dry waste collection centre-1								
	Mesh		56.00		1.50		84.00		
	Total Qty	**m**					**84.00**	**1070.27**	**89902.61**
	Basic rate	819.00							
	AD HOC at 21%	171.99							
	Sub Total	990.99							
	Area Weightage 8%	79.28							
	Final Rate	**1070.27**							
21	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12. (P.No. 32, I.No. 7.9 of PWD SR 2015-16)(Page No : 32, item No :7.9)								
	Grill for Ventilation		59.80			1.50	89.70		
	Total Qty	**Kg**					**1883.70**	**101.93**	**192006.29**
	89.70x21kgs /sqm								
	Basic rate	78.00							
	AD HOC at 21%	16.38							
	Sub Total	94.38							
	Area Weightage 8%	7.56							
	Final Rate	**101.93**							
22	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM of acquirements and testing complete as per specifications. - 160mm dia.(Page No : 88, item No :12.116.3)								
	Pipe		1.00	6.00		3.50	21.00		
	Total Qty	**m**					**21.00**	**1084.64**	**22777.52**
	Basic rate	830.00							
	AD HOC at 21%	174.30							
	Sub Total	1004.30							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage 8%	80.34							
	Final Rate	**1084.64**							
23	Fabricating, supplying and erecting M.S. TubularTruss of span upto 10m. The bottom and top member is provided with 50x50x6mm double equal angles, welded back to back and in between top and bottom line, in areas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided. All the members are welded together with 6mm gusset plate as per Drawing. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate.The work includes cutting, straightening, placing in position of M.S angle and wleding wherever necessary, and applying one coat of red oxide primer coat to all thememberes including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc., complete as per specification. (Page No. 40 Item No. 7.29 of CSR 2015-16).								
	For Roffing								
		1.00	12.20	20.00			**244.00**		
	28 kg/Sqm						**6832.00**	**143.75**	**982086.34**
	Basic rate	110.00							
	AD HOC at 21%	23.10							
	Sub Total	133.10							
	Area Weightage 8%	10.65							
	Final Rate	**143.75**							
24	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses..(Page No : 300, item No :38.30)								
	For Roofing								
		1.00	1.00	12.20	20.00		**244.00**		
		2.00	1.00	0.50	10.45	3.00	**31.35**		
	total	Sqm					**275.35**	**1006.24**	**277067.08**
	Basic rate	770.00							
	AD HOC at 21%	161.70							
	Sub Total	931.70							
	Area Weightage 8%	74.54							
	Final Rate	**1006.24**							
25	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8(Page No : 180, item No :24.1)								
			1.00	4.00	0.75		**3.00**		
	sqm				**total**		**3.00**	**78.41**	**235.22**
	Basic rate	60.00							
	AD HOC at 21%	12.60							
	Sub Total	72.60							
	Area Weightage 8%	5.81							
	Final Rate	**78.41**							
26	KSRRBM800-9. Painting New Letter and Figures of any Shade with synthetic enamel paint black or any other approved colour to give an even shade complete as per specifications. ("i) Hindi (Matras commas and the like not to be measured and paid for half letter shall be counted as half) " MORTH Specification No. 803(Page No : 180, item No :24.9)								

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1.00	400.00			400.00		
	cm				total		400.00	0.98	392.04
	Basic rate	0.75							
	AD HOC at 21%	0.16							
	Sub Total	0.91							
	Area Weightage 8%	0.07							
	Final Rate	0.98							
27	Metis Steel Platform Weighing Scale Weighing Scales capacity about 200kg (max), Manufacturer of Heavy-duty Industrial Floor weighing Scales tailored to your applications. Suitable for Steel Industries, Foundries, Metal Merchants, Pharmaceuticals Industries, Material Handling Industries, Food Storages, Petrochemical Industries, Chemical Factories, Warehouses, Transport Companies, Cargos, Logistics and Pharmaceutical Industries. (Market Rate)								
		2.00					2.00		
	Each				total		2.00	9000.00	18000.00
	Market rate	9000.00							
	Electrification								
28	**Point wiring using copper wire without switch**								
	Supplying and wiring adopting loop system in existing PVC Conduit / casing caping using 1100V grade, copper conductor flecxible multistrand FRLS PVC insulated, 2x.1.5Sqmm cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/ PVC round block.complete for each outlet.								
	Point wirig using class A Materials								
	a) Short point upto 3.0M from tapping point to outlet via switch box.KPWD SR 14-15 Chap No, Item No, Page No2-2.3.1-5	Each	20				20	144.00	2,880.00
	b) Medium point above 3.0M upto 6.0M from tapping point to outlet via switch box KPWD SR 14-15 Chap No, Item No, Page No2-2.3.2-5	Each	10				10	215.00	2,150.00
	d) Two outlet in a row, above 3.0M upto 6.0M from tapping point to outlet via switch boxKPWD SR 14-15 Chap No, Item No, Page No2-2.3.4-5	Each	8				8	423.00	3,384.00
	e) Three outlet in a row, above 6.0M upto 10.0M from tapping point to outlet via switch box KPWD SR 14-15 Chap No, Item No, Page No2-2.3.5-5	Each	4				4	593.00	2,372.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
29.0	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.Cwall								
	a) 1-3Way KPWD SR 14-15 Chap No, Item No, Page No3-3.5.1-15	Each	25				25	91.00	2,275.00
	b) 4-5Way KPWD SR 14-15 Chap No, Item No, Page No3-3.5.2-15	Each	15				15	98.00	1,470.00
29.1	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.								
	a) 1-3Module KPWD SR 14-15 Chap No, Item No, Page No3-3.6.1-16	Each	25				25	109.00	2,725.00
	b) 4Module KPWD SR 14-15 Chap No, Item No, Page No3-3.6.2-16	Each	15				15	122.00	1,830.00
29.2	Supplying and fixing of modular switch/socket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293								
	Group 'A' Material								
	a) 6Amps one Way Item No, Page No3-3.7.1-16	Each	50				50	63.00	3,150.00
	b) 6Amps Two way Item No, Page No3-3.7.2-16	Each	15				15	87.00	1,305.00
	c) 6Amps 3way socket Item No, Page No3-3.7.3-16	Each	15				15	95.00	1,425.00
	d) Steeped fan Regulator Item No, Page No3-3.7.4-16	Each	30				30	286.00	8,580.00
	e) 16Amps one way switch Item No, Page No3-3.7.7-16	Each	2				2	114.00	228.00
	f) 6Amps Bell push Item No, Page No3-3.7.8-16	Each	2				2	87.00	174.00
	g) 6/16Amps universal socket Item No, Page No3-3.7.10-16	Each	2				2	147.00	294.00
29.3	Supply and fixing metal fan box with round hook Item No, Page No1-1.12-3	Each	30				30	92.00	2,760.00
29.4	Supply and fixing of 6Amps bell buzzer on existing switch board. Item No, Page No3.15.8-17	Each	2				2	117.00	234.00
29.5	Concealed Conduit System:								

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Supplying following size heavy guage PVC conduit pipe and following thick confirming to IS 2509 with suitable size bends, Metal/PVCjunction boxes, adhesive paste etc, and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18SWG GI fish wire where ever necessary								
	a) 19mm dia 2mm thick Item No, Page No1-1.2.1-2	Mtr	150				150	43.00	6,450.00
	b) 25mm dia 2mm thick Item No, Page No1-1.2.2-2	Mtr	100				100	57.00	5,700.00
	c) 32mm dia 2.5mm thick Item No, Page No1-1.2.3-2	Mtr	30				30	90.00	2,700.00
29.6	Groove cutting								
	Supplying following size heavy guage PVC conduit pipe following thick with suitable size bends, Metal/PVCjunction boxes, adhesive paste etc, by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering upto the surface of the brick level and run with 18SWG GI fish wire run through out the conduit where ever necessary.								
	a) 19mm dia 2mm thick Item No, Page No1-1.3.1-2	Mtr	150				150	56.00	8,400.00
	b) 25mm dia 2mm thick Item No, Page No1-1.3.2-2	Mtr	100				100	58.00	5,800.00
	c) 32mm dia 2.5mm thick Item No, Page No1-1.3.3-2	Mtr	30				30	88.00	2,640.00
29.7	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multisand Copper with low conductor resistance single core wire in open or consealed system of wiring with specified IS-694:1990 & confirming to GTP of Group-A.								
	a) 1.5sqmm Item No, Page No2-2.5.2-6	M	450				450	18.60	8,370.00
	b) 2.5sqmm Item No, Page No2-2.5.3-6	M	290				290	29.20	8,468.00
	c) 4sqmm Item No, Page No2-2.5.4-6	M	230				230	42.10	9,683.00
	d) 6sqmm Item No, Page No2-2.5.5-6	M	100				100	63.80	6,380.00
	f) 16sqmm Item No, Page No2-2.5.7-6	M	50				50	171.00	8,550.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
30.00	Supplying and fixing regular MCCB distribution Panel confirm to IS 8828, on wall/ woodboard / flush mounting using required clamps,bolts, nuts etc., with provision for fixing of suitable type capacity MCCB's as an incomer for 3 phase Double door with neccesary busbar completely wired to use on 440Volts 3Phase 4wire powder coated painting etc., complete with a provision for fixing of single /three phase suitable capacity MCCB/MCB as outgoings confirm to IS8828.								
	8Way Group A Item No, Page No6.14.4 page 54	Each	3				3	9,095.00	27,285.00
30.01	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of overload and short circuit with the thermal magnetic/micro processor release and earth fault as per IS - 13947 (Icu=Ics)								
	100Amps 3Pole 25kA Item No, Page No6.12.1 page 53	Each	3				3	4,044.00	12,132.00
30.02	Supplying and fixing regular MCB distribution boards on wall/woodboard/flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with powder coated painting etc., Made out of 14SWG MS enclosure.								
	Single Door								
a	8way SP &N Item No, Page No6.16.3 page 54	Each	2				2	866.00	1,732.00
30.03	Supplying, fixing and wiring Earth Leakage Miniature Circuit Breaker (ELMCB) 240/450V upto 300mA sensitivity on exisiting wood/panel board								
a	16-25Amps 2 pole Item No, Page No6.17.1	Each	1				1	2,412.00	2,412.00
b	32-40Amps 4 pole Item No, Page No6.14.3	Each	1				1	2,936.00	2,936.00
c	63Amps 4 pole Item No, Page No6.17.4 page 55	Each	1				1	3,350.00	3,350.00